OIPE
APR 26 2007
PATENT & TRADEMARK OFFICE

FIG. 1

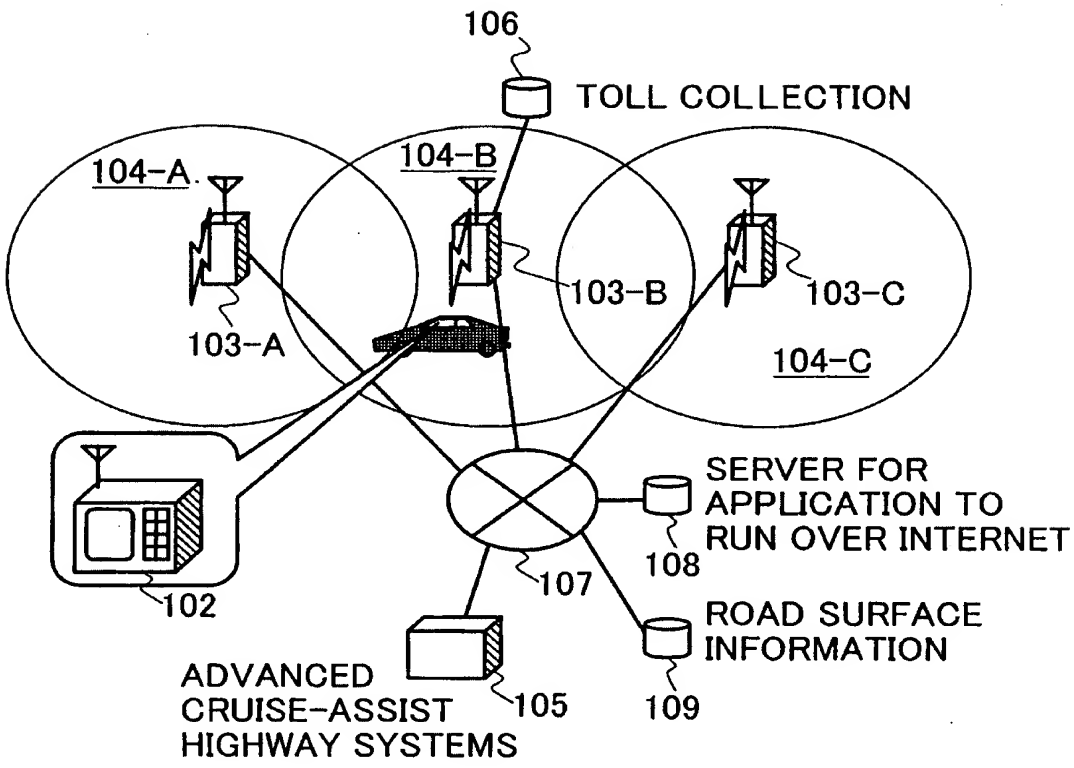

FIG. 2

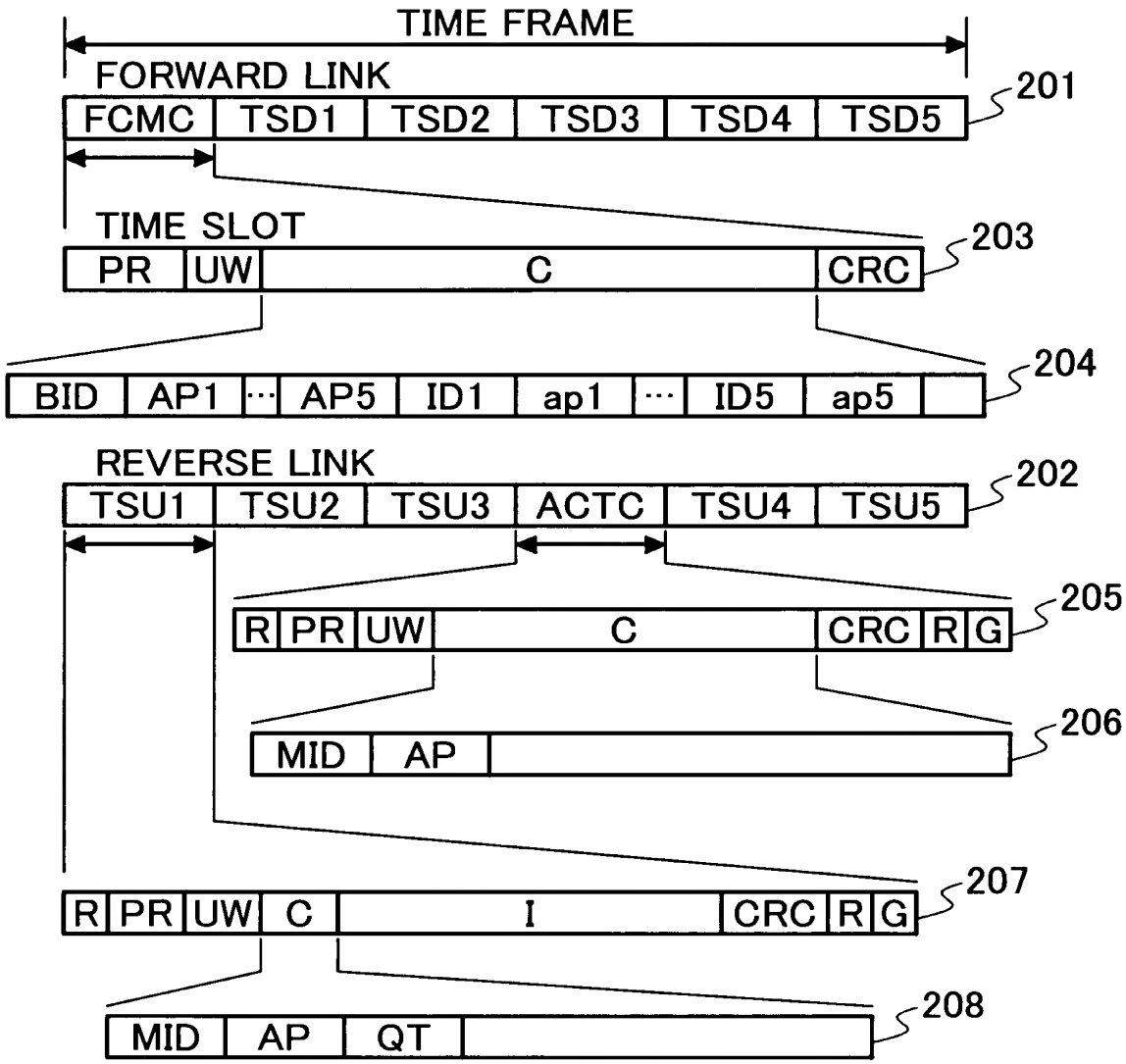
TIME FRAME
FORWARD LINK
FCMC
TSD1
TSD2
TSD3
TSD4
TSD5
201
TIME SLOT
PR
UW
C
CRC
203
BID
AP1
AP5
ID1
ap1
ID5
ap5
204
REVERSE LINK
TSU1
TSU2
TSU3
ACTC
TSU4
TSU5
202
R
PR
UW
C
CRC
R
G
205
MID
AP
206
I
207
QT
208

FIG. 3

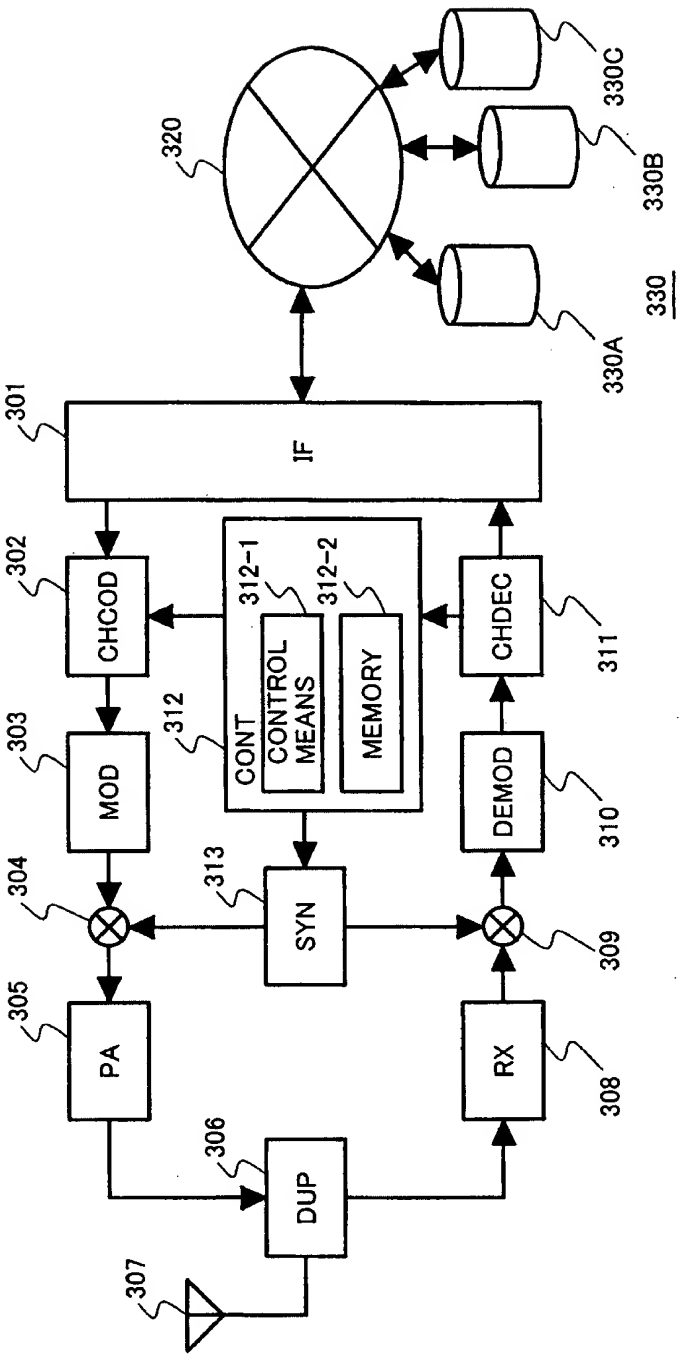
330
330A
330B
330C
320
301
IF
302
CHCOD
303
MOD
304
305
PA
306
DUP
307
312
CONT
312-1
CONTROL MEANS
312-2
MEMORY
313
SYN
309
308
RX
310
DEMOD
311
CHDEC

FIG. 4

401

APPLICATION DISCRIMINATION WORD	PRIORITY
AP1	1
AP1	1
AP2	2

402

TIME SLOT	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	PRIORITY
TSD1	MID1	AP1	1
TSD2	MID2	AP1	1
TSD3	MID3	AP2	2
TSD4	MID1	AP2	2
TSD5	MID4	AP3	3

403

TURN	PRIORITY	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	ADDRESS
1	3	MID1	AP3	10000H
2	3	MID2	AP3	10100H
3	–	–	–	–

404

MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	PRIORITY	RECEIVED MDC TIME SLOTS	ERROR COUNT	ERROR RATIO
MID1	AP1	1	3	2	0.67
MID1	AP2	2	2	0	0.0
MID1	AP3	3	0	0	0
MID2	AP1	1	1	0	0.0
MID2	AP3	3	0	0	0
MID3	AP2	2	2	1	0.5
MID4	AP3	3	3	1	0.33
–	–	–	–	–	–

FIG. 5

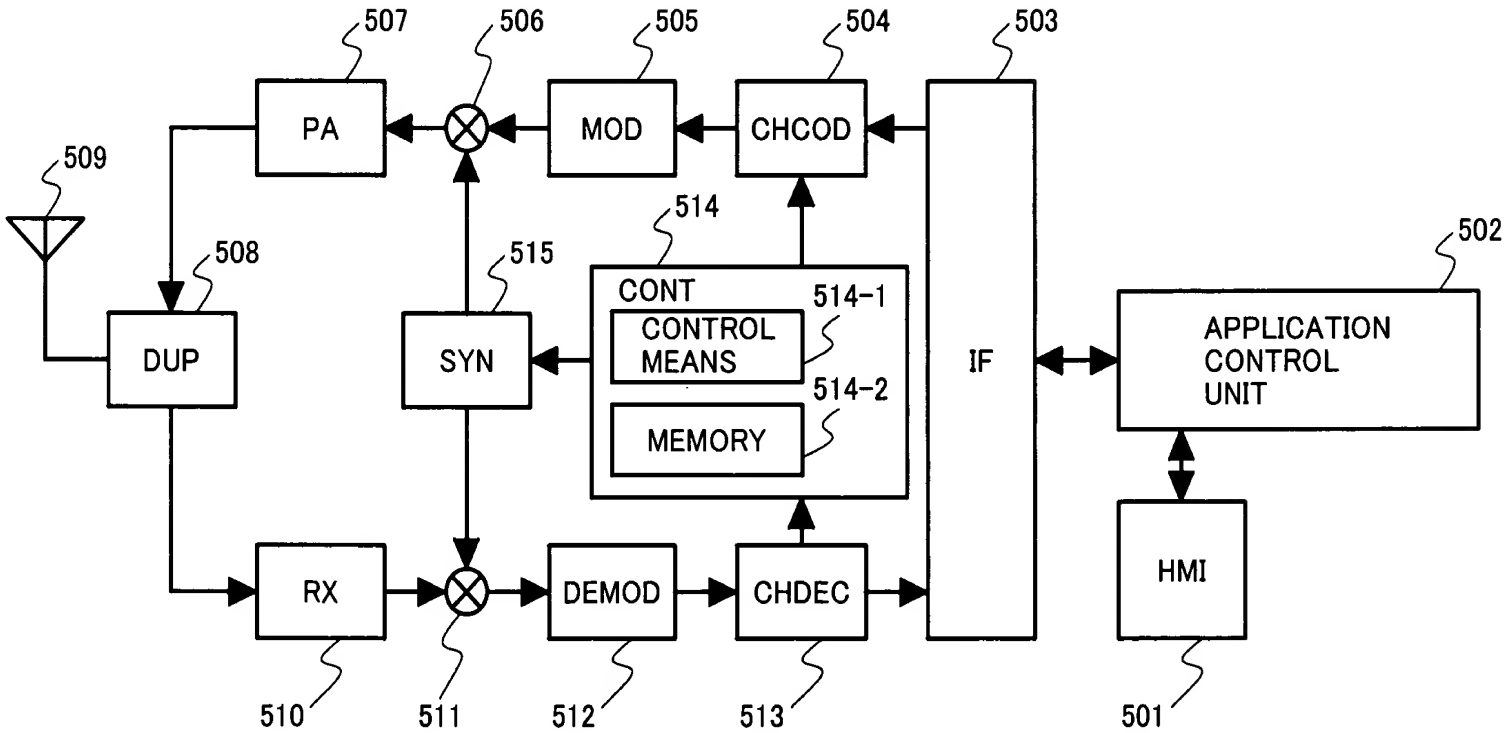
507
506
505
504
503
PA
MOD
CHCOD
509
514
502
508
515
CONT
514-1
CONTROL MEANS
APPLICATION CONTROL UNIT
DUP
SYN
IF
514-2
MEMORY
RX
DEMOD
CHDEC
HMI
510
511
512
513
501

FIG. 6

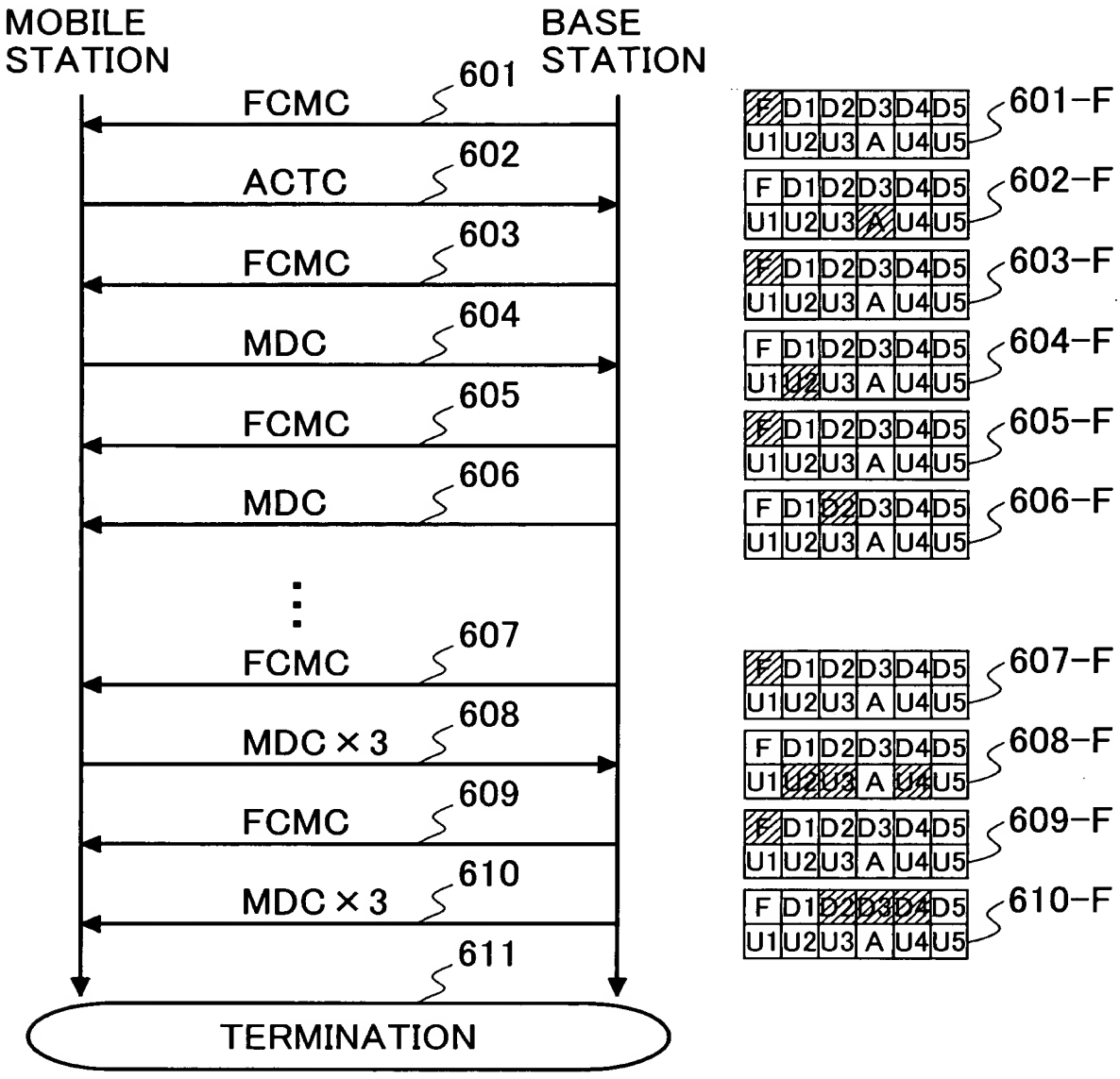
MOBILE STATION
BASE STATION
FCMC
601
ACTC
602
FCMC
603
MDC
604
FCMC
605
MDC
606
FCMC
607
MDC × 3
608
FCMC
609
MDC × 3
610
611
TERMINATION
F D1 D2 D3 D4 D5
U1 U2 U3 A U4 U5
601-F
602-F
603-F
604-F
605-F
606-F
607-F
608-F
609-F
610-F

FIG. 7

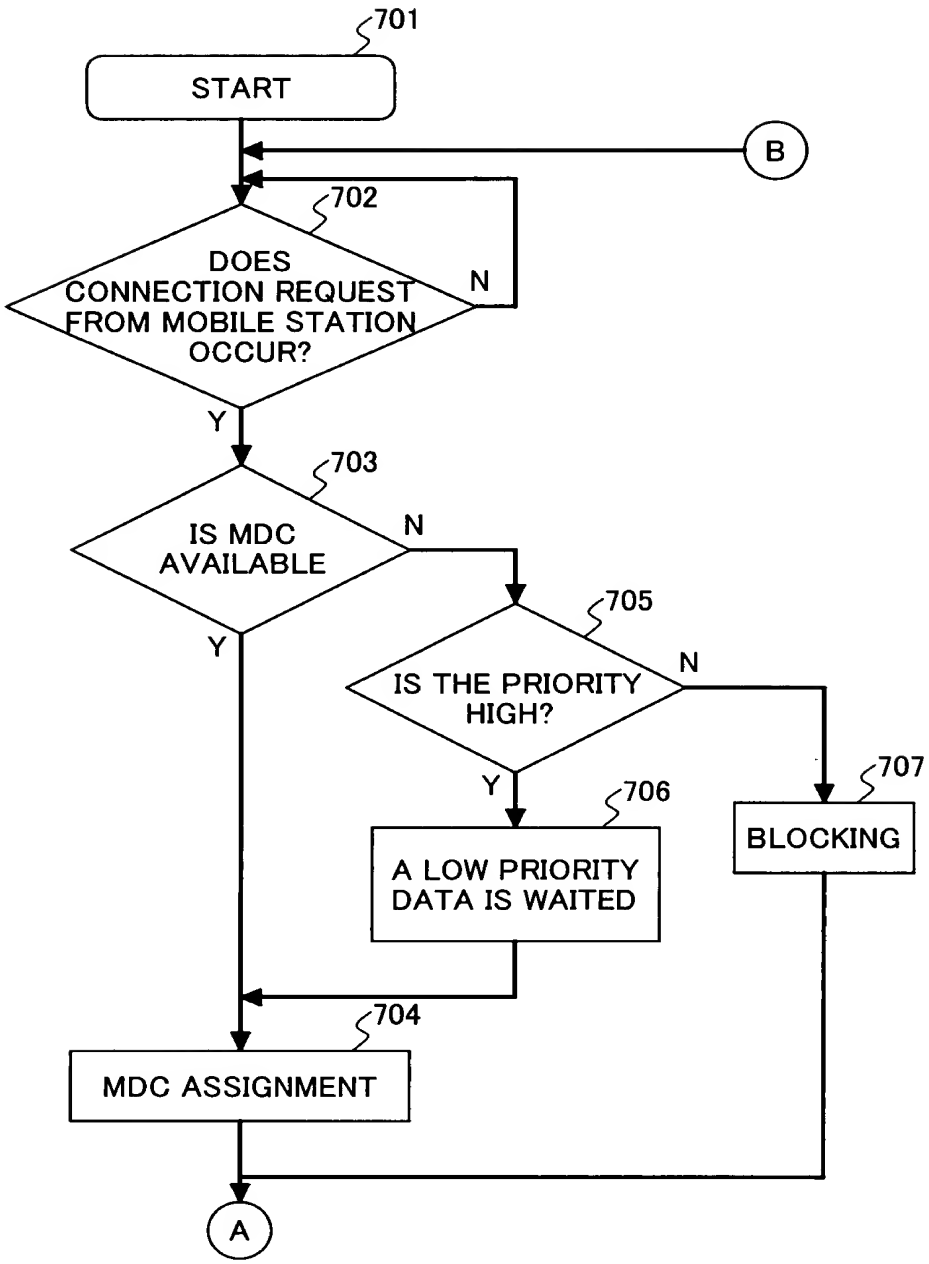
701
START
B
702
DOES CONNECTION REQUEST FROM MOBILE STATION OCCUR?
N
Y
703
IS MDC AVAILABLE
N
Y
705
IS THE PRIORITY HIGH?
N
Y
706
A LOW PRIORITY DATA IS WAITED
707
BLOCKING
704
MDC ASSIGNMENT
A

FIG. 8

802

TIME SLOT	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	PRIORITY
TSD1	MID1	AP1	1
TSD2	MID2	AP1	1
TSD3	MID3	AP2	2
TSD4	MID1	AP2	2
TSD5	MID5	AP1	1

803

TURN	PRIORITY	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	ADDRESS
1	3	MID4	AP3	10200H
2	3	MID1	AP3	10000H
3	3	MID2	AP3	10100H
4	–	–	–	–
5	–	–	–	–

FIG. 9

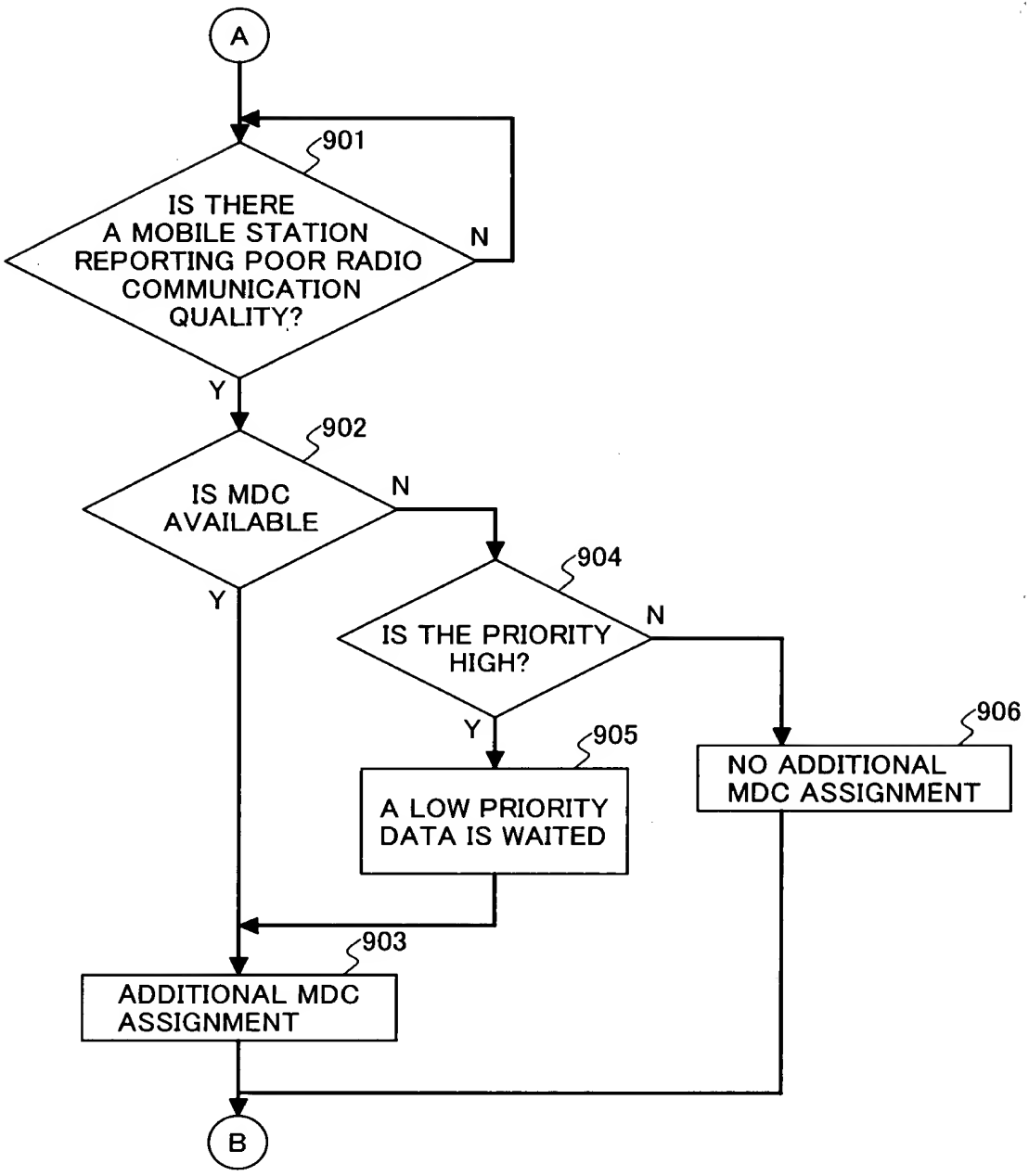
A
901
IS THERE A MOBILE STATION REPORTING POOR RADIO COMMUNICATION QUALITY?
N
Y
902
IS MDC AVAILABLE
N
Y
904
IS THE PRIORITY HIGH?
N
Y
905
A LOW PRIORITY DATA IS WAITED
906
NO ADDITIONAL MDC ASSIGNMENT
903
ADDITIONAL MDC ASSIGNMENT
B

FIG. 10

1002

TIME SLOT	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	PRIORITY
TSD1	MID1	AP1	1
TSD2	MID2	AP1	1
TSD3	MID3	AP2	2
TSD4	MID1	AP1	1
TSD5	MID1	AP1	1

1003

TURN	PRIORITY	MOBILE STATION ID	APPLICATION DISCRIMINATION WORD	ADDRESS
1	2	MID1	AP2	10200H
2	3	MID4	AP3	10300H
3	3	MID1	AP3	10000H
4	3	MID2	AP3	10100H
5	–	–	–	–

FIG. 11

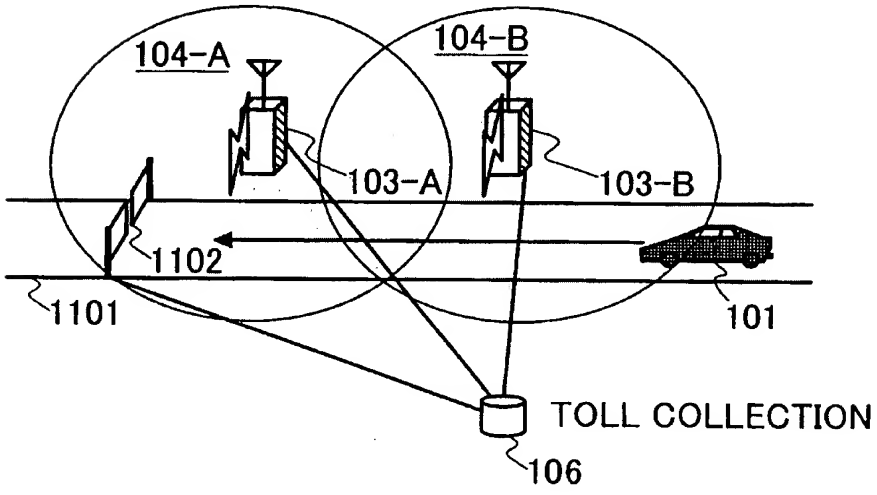

FIG. 12

1201-A

APPLICATION CLASSITICATION	PRIORITY
AP1	1
AP2	2
AP3	3

1201-B

APPLICATION CLASSITICATION	PRIORITY
AP1	2
AP2	2
AP3	3